

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015171.D
 Acq On : 17 Aug 2023 14:53
 Operator : SY/MD
 Sample : 04046-03
 Misc : 3.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:54:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

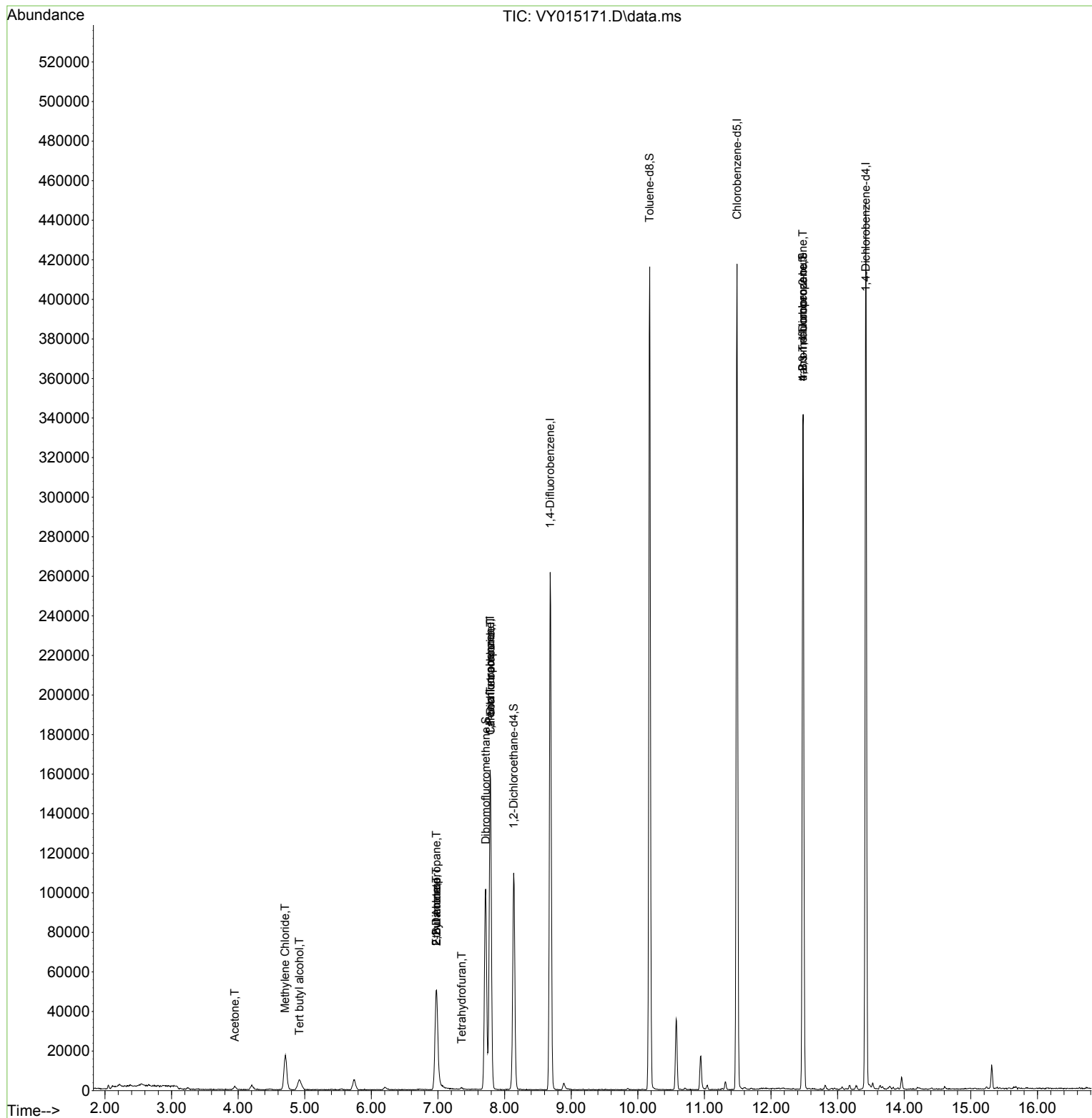
Internal Standards						
1) Pentafluorobenzene	7.783	168	124918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	219986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	220466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84978	56.670	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.340%			
35) Dibromofluoromethane	7.716	113	70609	49.892	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.780%			
50) Toluene-d8	10.179	98	266563	50.597	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.200%			
62) 4-Bromofluorobenzene	12.477	95	100594	52.277	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.560%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	327	Below Cal	#	43
5) Bromomethane	2.656	94	186	Below Cal	#	80
11) Tert butyl alcohol	4.917	59	6030	8.794	ug/l #	90
16) Acetone	3.948	43	2688	5.487	ug/l #	76
20) Methylene Chloride	4.704	84	12941	7.331	ug/l	88
25) 2-Butanone	6.978	43	3290	4.743	ug/l	97
26) 2,2-Dichloropropane	6.978	77	4091	2.038	ug/l #	54
29) Tetrahydrofuran	7.356	42	531	1.280	ug/l #	77
31) Cyclohexane	7.789	56	2665	Below Cal	#	7
36) 1,1-Dichloropropene	7.789	75	9733	6.216	ug/l #	50
37) Ethyl Acetate	6.978	43	3290	2.254	ug/l #	1
38) Carbon Tetrachloride	7.789	117	12791	6.903	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	53668	39.549	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53668	86.869	ug/l #	11

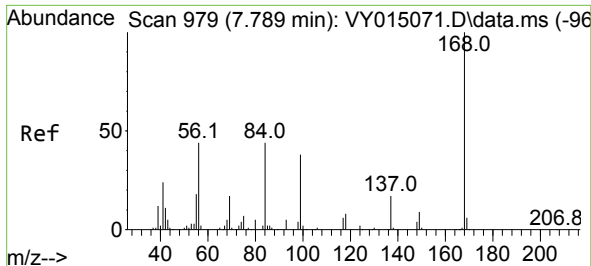
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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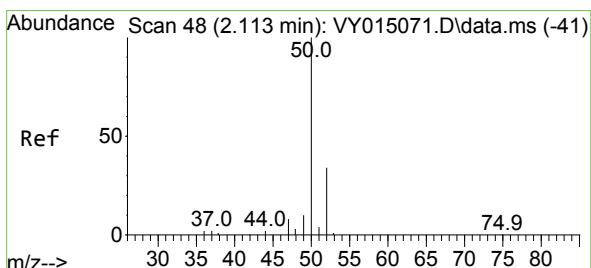
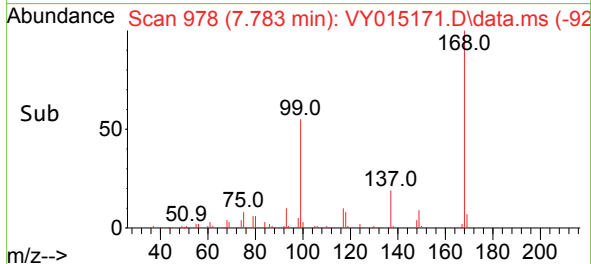
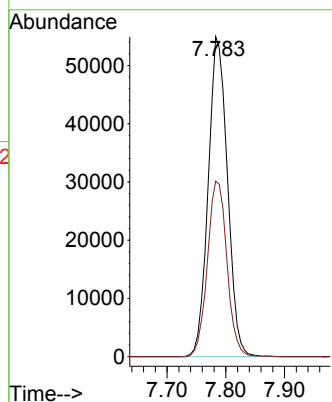
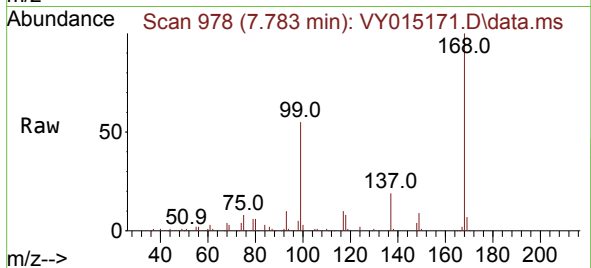




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015171.D
Acq: 17 Aug 2023 14:53

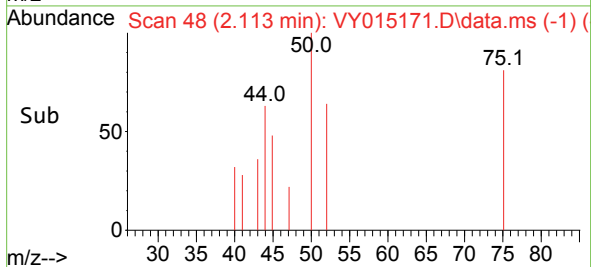
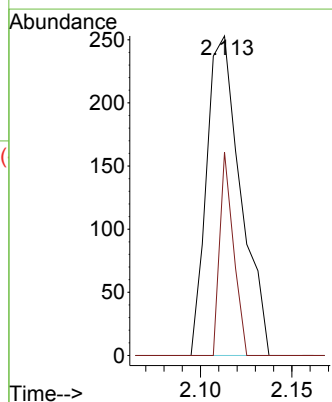
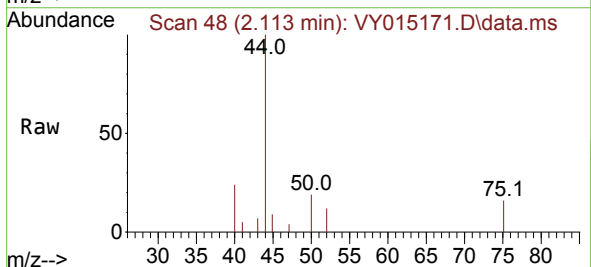
Instrument :
MSVOA_Y
ClientSampleId :

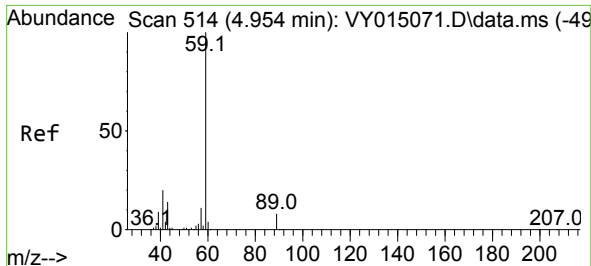
Tgt Ion:168 Resp: 124918
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015171.D
Acq: 17 Aug 2023 14:53

Tgt Ion: 50 Resp: 327
Ion Ratio Lower Upper
50 100
52 63.6 25.4 38.2#





#11

Tert butyl alcohol

Concen: 8.794 ug/l

RT: 4.917 min Scan# 508

Delta R.T. -0.031 min

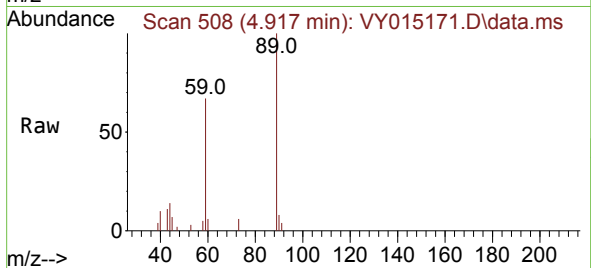
Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

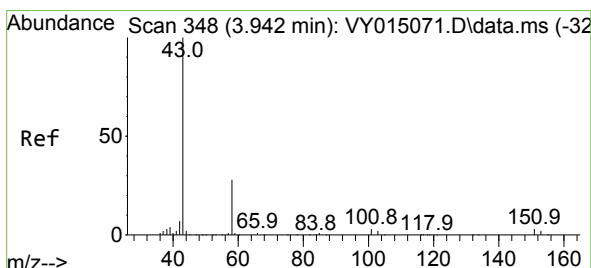
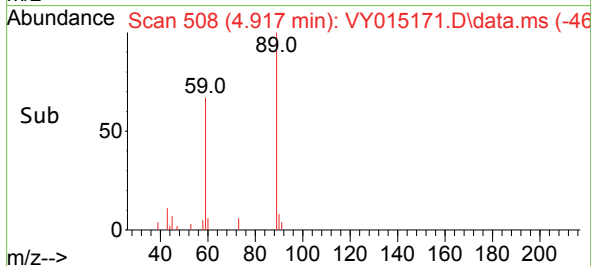
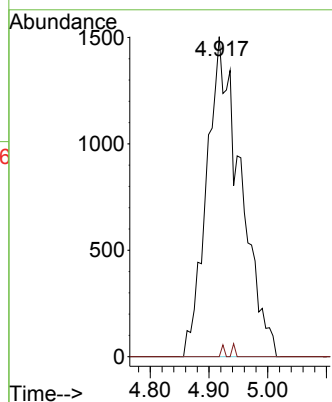


Tgt Ion: 59 Resp: 6030

Ion Ratio Lower Upper

59 100

57 0.3 3.0 4.4#



#16

Acetone

Concen: 5.487 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015171.D

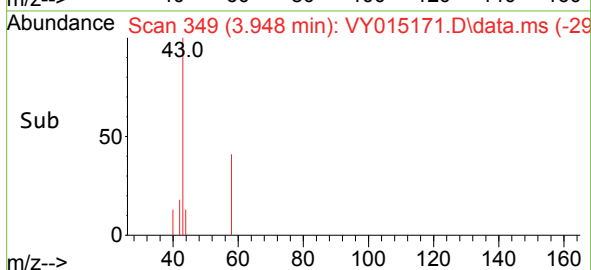
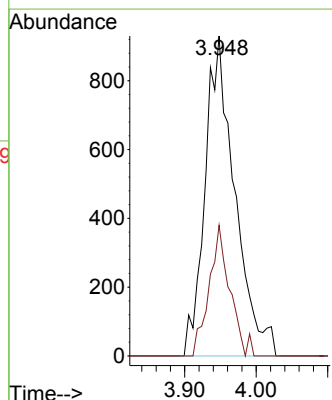
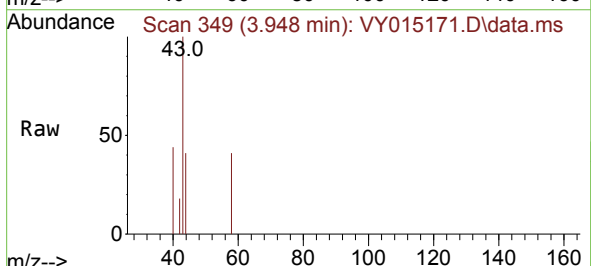
Acq: 17 Aug 2023 14:53

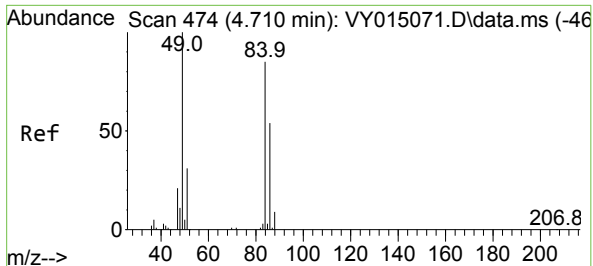
Tgt Ion: 43 Resp: 2688

Ion Ratio Lower Upper

43 100

58 40.9 22.7 34.1#





#20

Methylene Chloride

Concen: 7.331 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

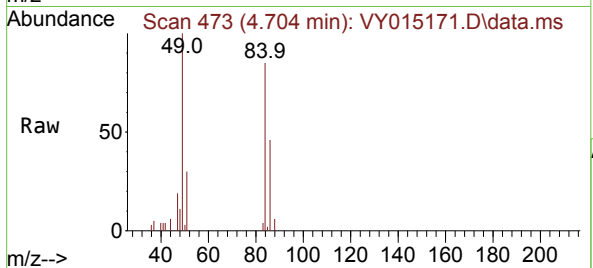
Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 12941

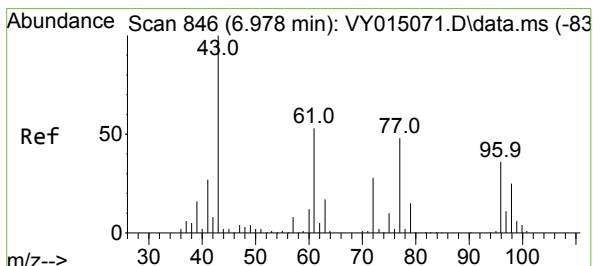
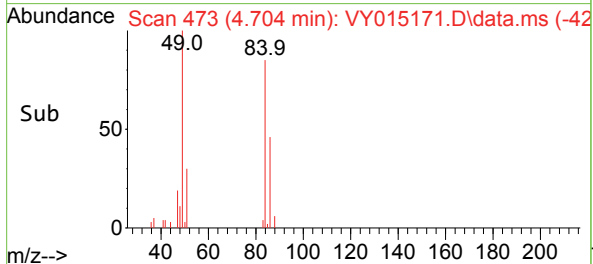
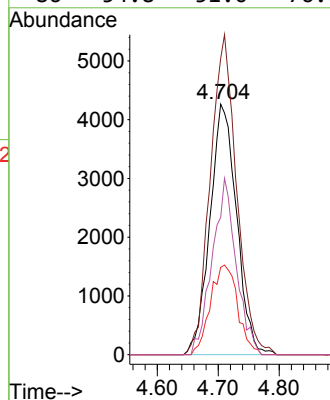
Ion Ratio Lower Upper

84 100

49 118.2 106.9 160.3

51 34.9 33.2 49.8

86 54.8 51.0 76.6



#25

2-Butanone

Concen: 4.743 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015171.D

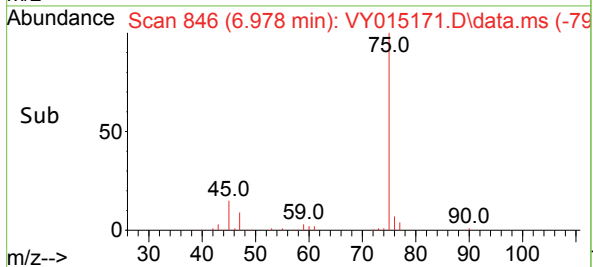
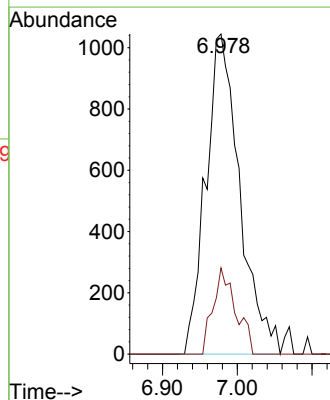
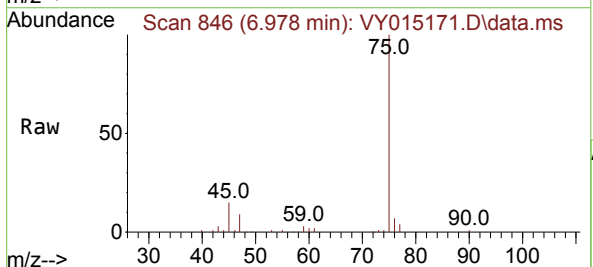
Acq: 17 Aug 2023 14:53

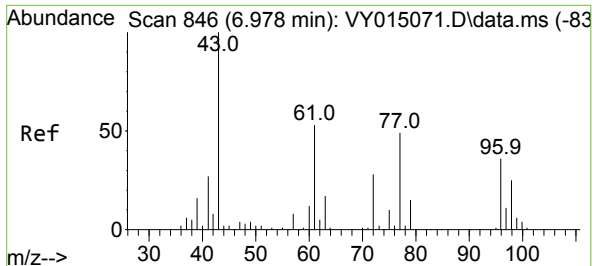
Tgt Ion: 43 Resp: 3290

Ion Ratio Lower Upper

43 100

72 26.9 20.5 30.7

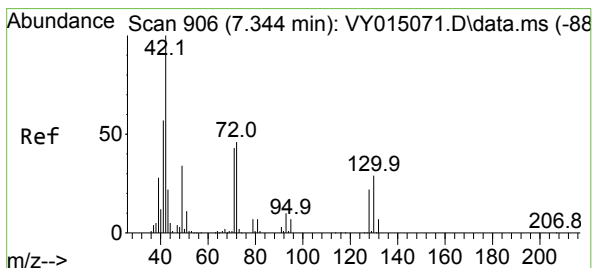
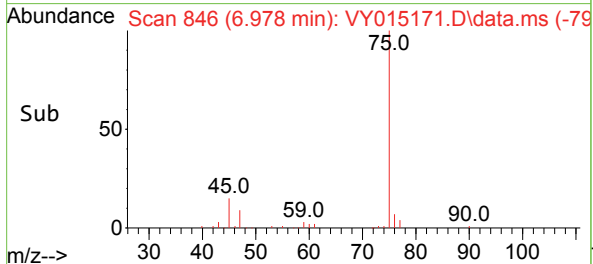
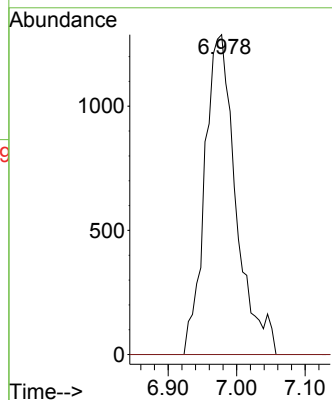
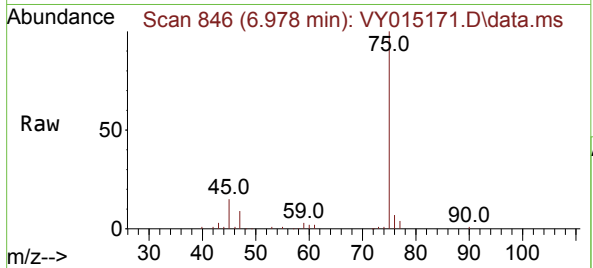




#26
2,2-Dichloropropane
Concen: 2.038 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015171.D
Acq: 17 Aug 2023 14:53

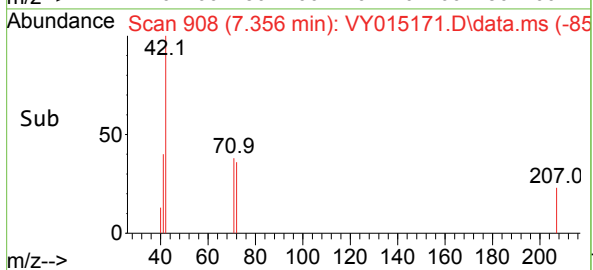
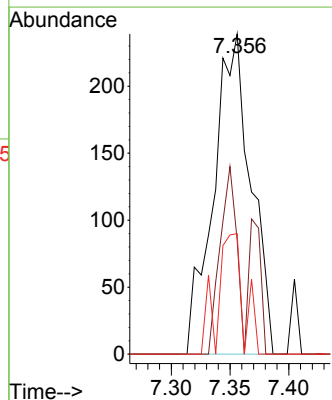
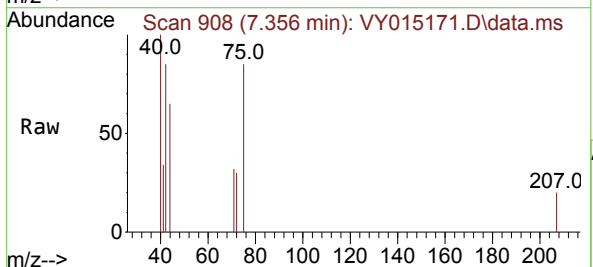
Instrument :
MSVOA_Y
ClientSampleId :

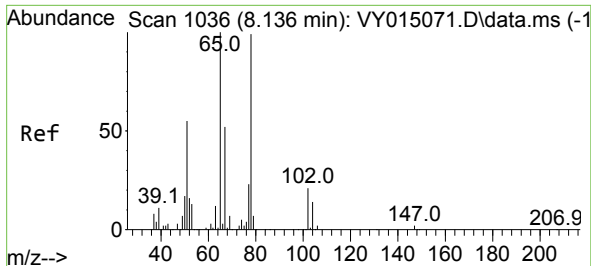
Tgt Ion: 77 Resp: 4091
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 1.280 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY015171.D
Acq: 17 Aug 2023 14:53

Tgt Ion: 42 Resp: 531
Ion Ratio Lower Upper
42 100
72 26.0 32.8 49.2#
71 25.8 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 56.670 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

Instrument :

MSVOA_Y

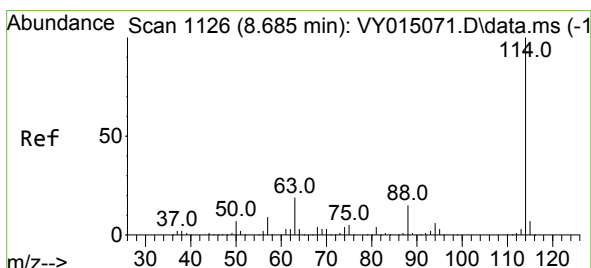
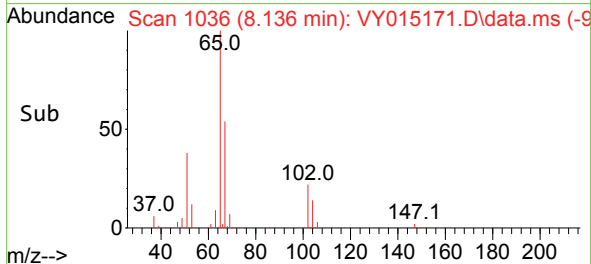
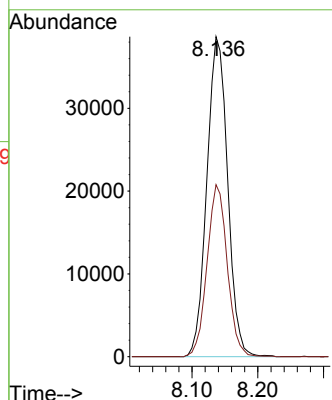
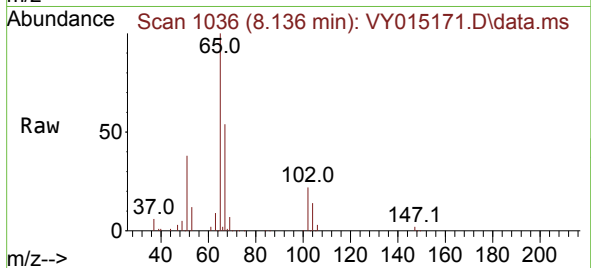
ClientSampleId :

Tgt Ion: 65 Resp: 84978

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

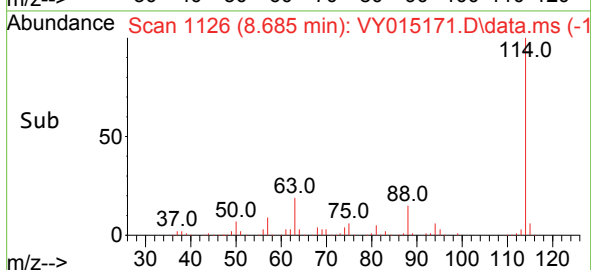
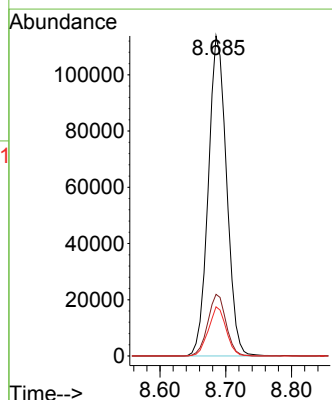
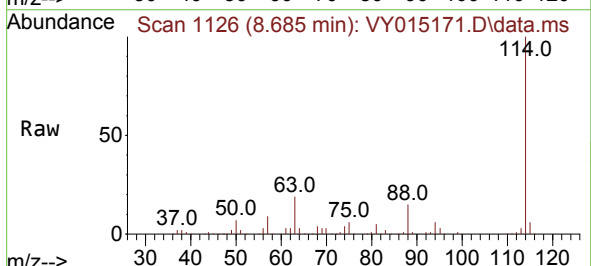
Tgt Ion: 114 Resp: 219986

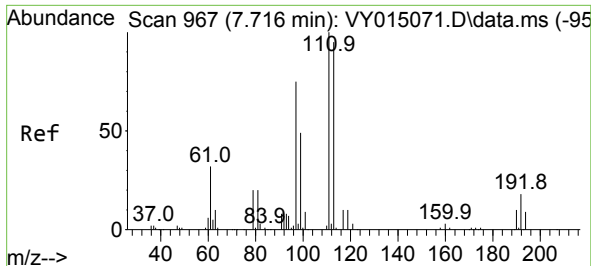
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.4 0.0 30.6

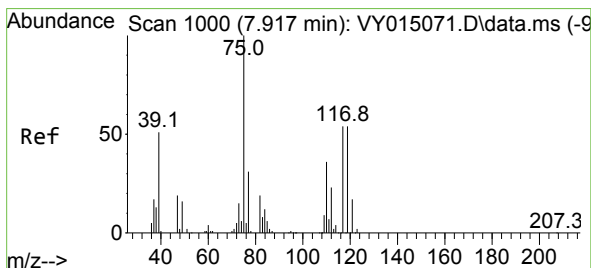
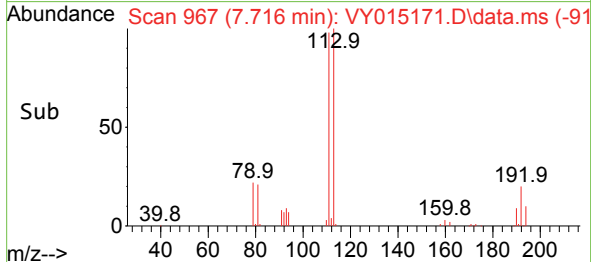
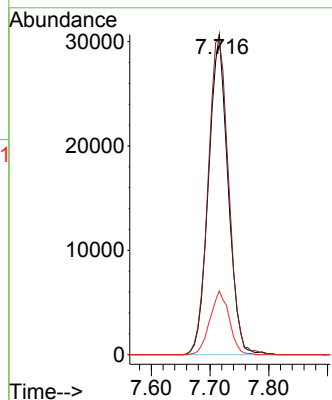
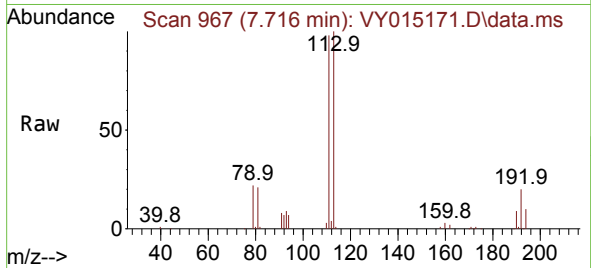




#35
 Dibromofluoromethane
 Concen: 49.892 ug/l
 RT: 7.716 min Scan# 910
 Delta R.T. 0.000 min
 Lab File: VY015171.D
 Acq: 17 Aug 2023 14:53

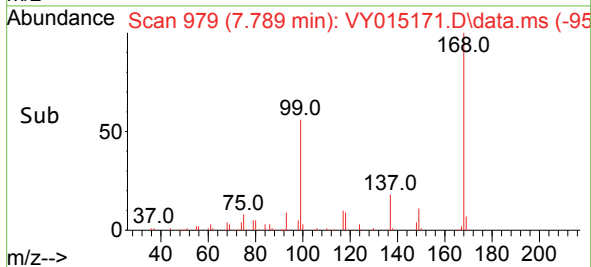
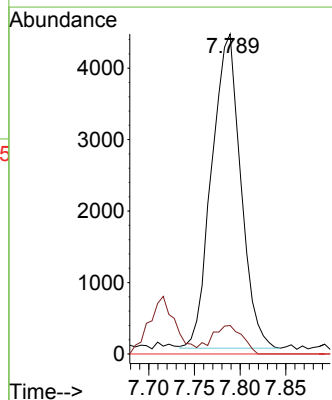
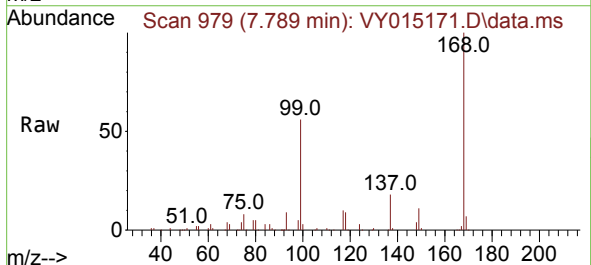
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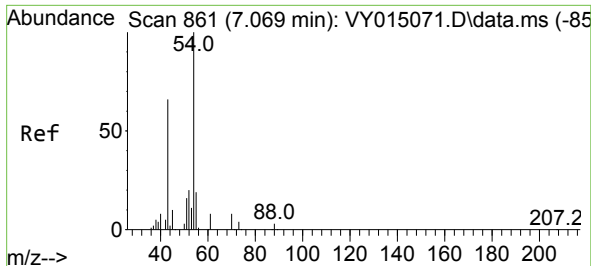
Tgt Ion:113 Resp: 70609
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.3 121.9
 192 19.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.216 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY015171.D
 Acq: 17 Aug 2023 14:53

Tgt Ion: 75 Resp: 9733
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.8 53.5#
 77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.254 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

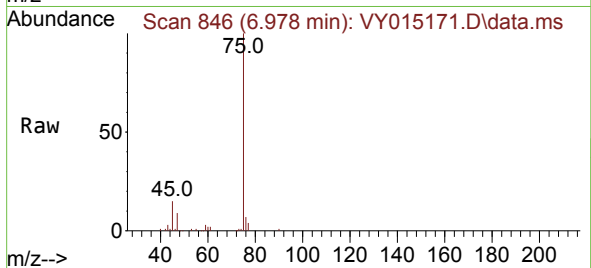
Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

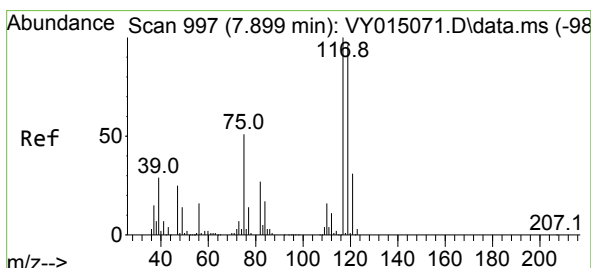
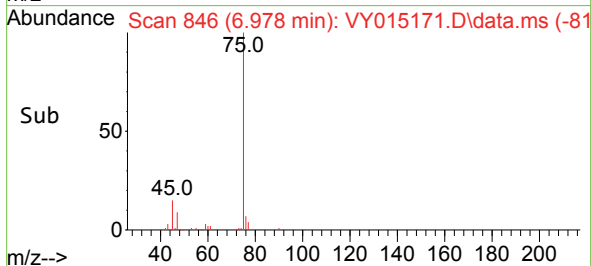
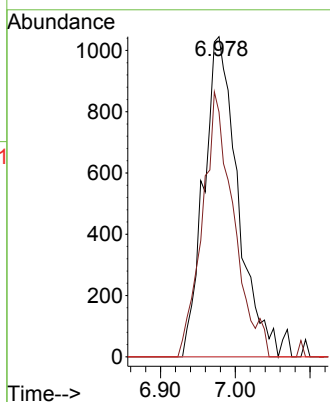
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	3290
Ion	Ratio	Lower	Upper
43	100		
61	76.2	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.903 ug/l

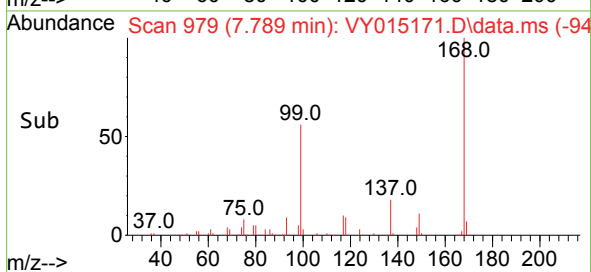
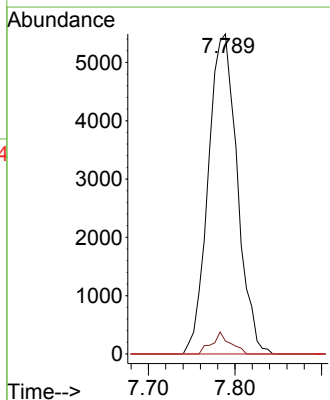
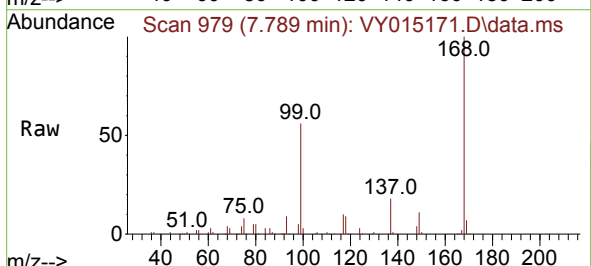
RT: 7.789 min Scan# 979

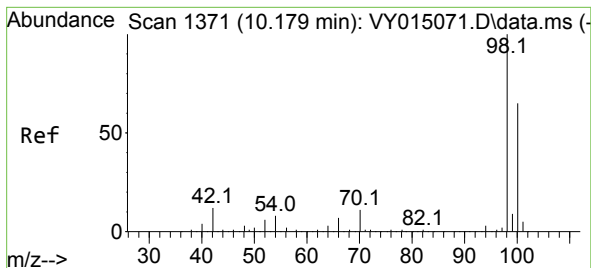
Delta R.T. -0.110 min

Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

Tgt Ion:	117	Resp:	12791
Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 50.597 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

Instrument :

MSVOA_Y

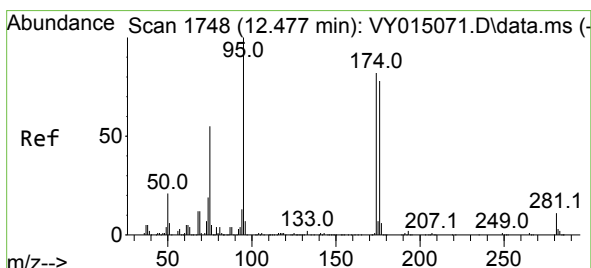
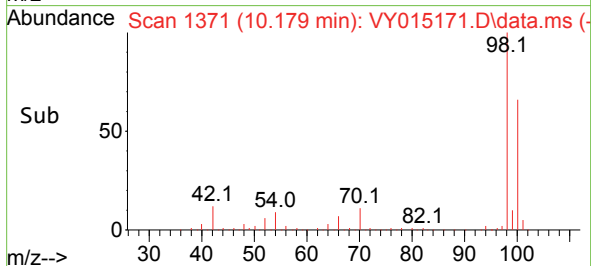
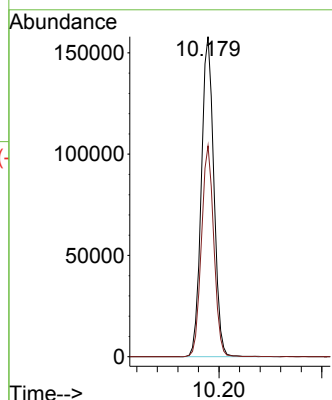
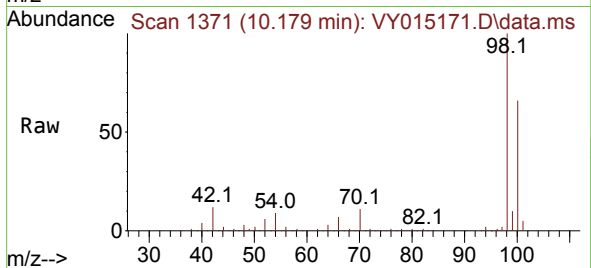
ClientSampleId :

Tgt Ion: 98 Resp: 266563

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 52.277 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

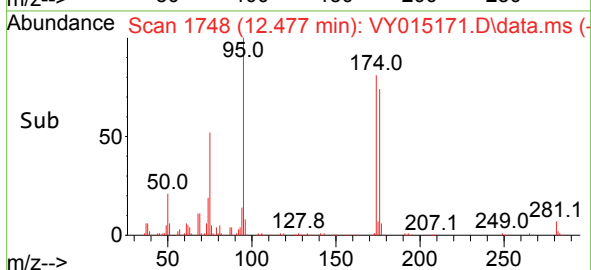
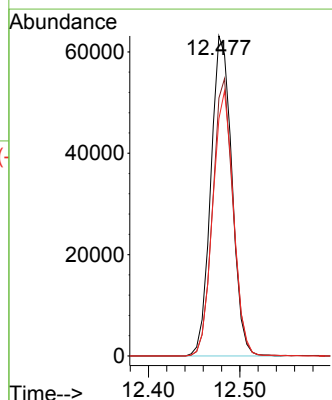
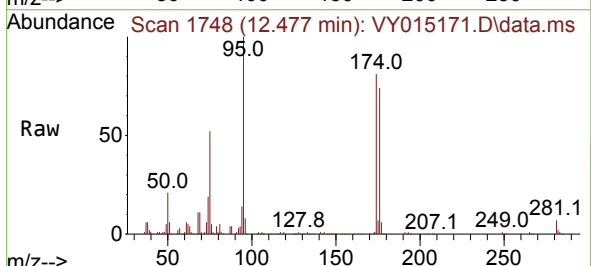
Tgt Ion: 95 Resp: 100594

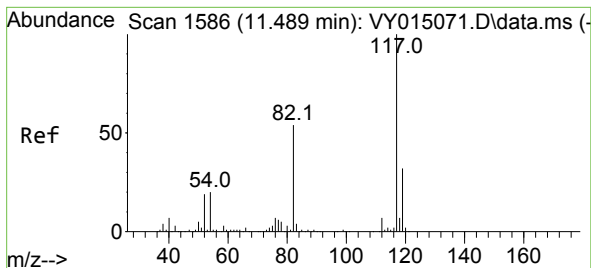
Ion Ratio Lower Upper

95 100

174 83.8 0.0 178.2

176 82.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

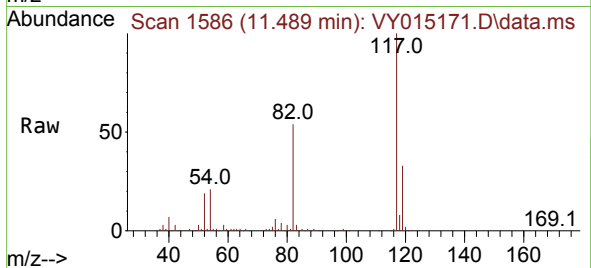
Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :



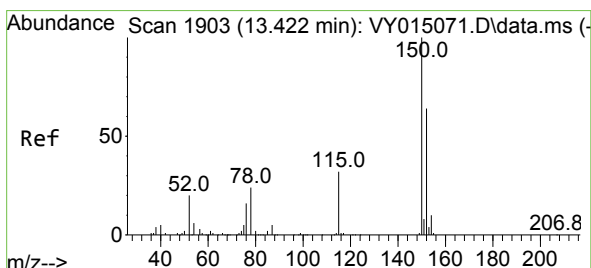
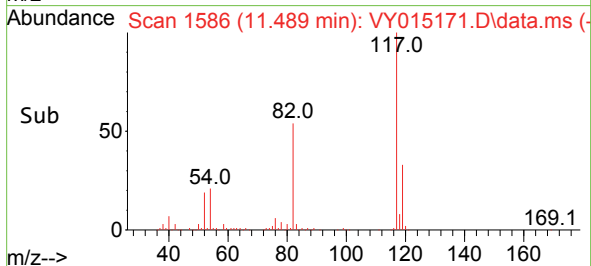
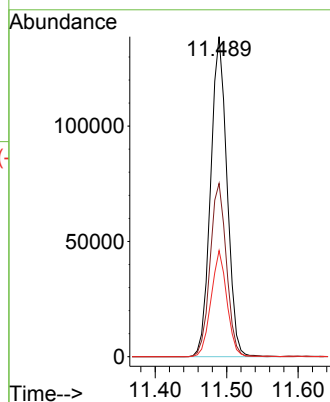
Tgt Ion:117 Resp: 220466

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 33.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015171.D

Acq: 17 Aug 2023 14:53

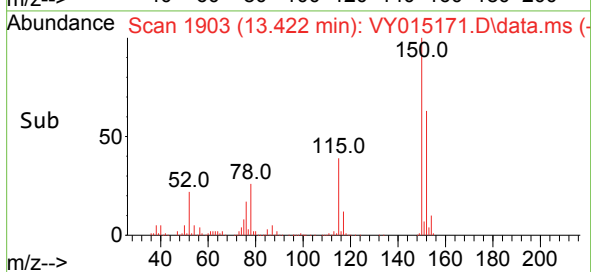
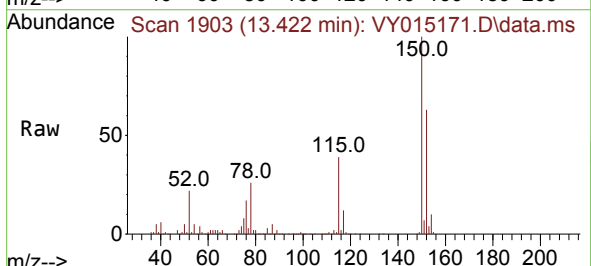
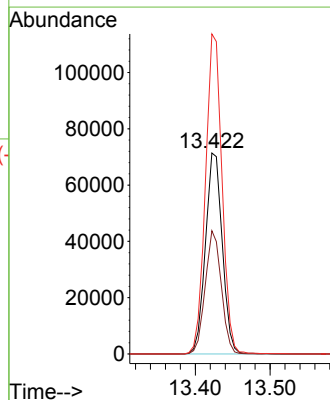
Tgt Ion:152 Resp: 111693

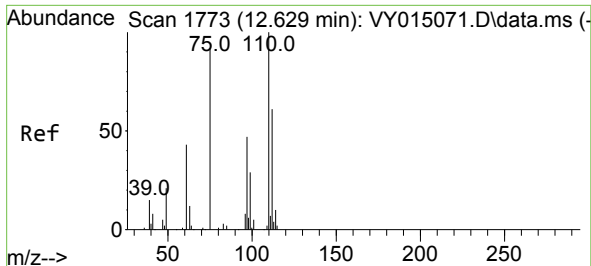
Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 156.2 0.0 348.8

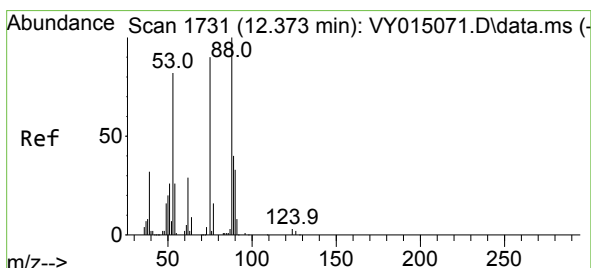
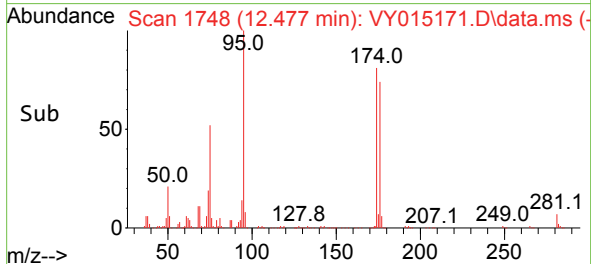
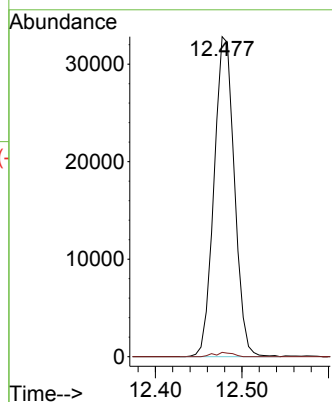
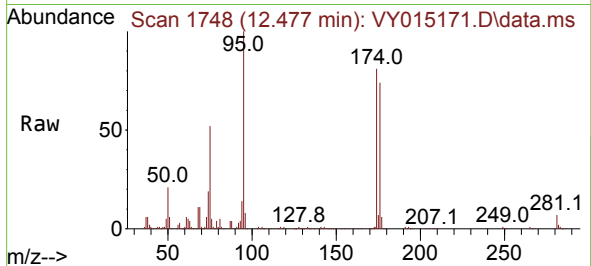




#76
1,2,3-Trichloropropane
Concen: 39.549 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015171.D
Acq: 17 Aug 2023 14:53

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 53668
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.869 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015171.D
Acq: 17 Aug 2023 14:53

Tgt Ion: 75 Resp: 53668
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

